

AMENDMENTS TO THE CLAIMS

1. (Withdrawn)
2. (Withdrawn)
3. (Withdrawn)
4. (Withdrawn)
5. (Withdrawn)
6. (Withdrawn)
7. (Withdrawn)
8. (Withdrawn)
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10. (Withdrawn)
11. (Withdrawn)
12. (Withdrawn)
13. (Withdrawn)
14. (Withdrawn)
15. (Withdrawn)
16. (Withdrawn)

17. (Currently amended) A method of predicting the response of a human subject to treatment with a calcium channel blocking agent or calcium, said method comprising the step of analysing genetic material of a human subject to determine ~~which of whether the B/b, A/a or T/t allele(s) of the vitamin D receptor gene~~ a baT haplotype of a vitamin D receptor gene is/are present, ~~in order to determine the underlying cause of the heart disease~~ in the subject, wherein the presence of the baT haplotype is indicative that the subject will react adversely to treatment with a calcium channel blocking agent or ingestion of at least 1302 mg/day of calcium.

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18. (Currently amended) A method according to claim 17 wherein said subject is first diagnosed as being susceptible to heart disease ~~in accordance with Claim 1.~~

19. (Previously amended) A method according to Claims 17 or 18 further comprising administering the appropriate treatment to the subject.

20. (Withdrawn)

21. (Withdrawn)

22. (Withdrawn)

23. (New) A method according to Claim 18 wherein the subject is diagnosed as being susceptible to heart disease by a method comprising analyzing genetic material of a subject to determine whether the baT haplotype is present, wherein the presence of the baT haplotype is indicative of an increased susceptibility to heart disease.

24. (New) A method according to Claim 17 wherein the response of the human subject to treatment with a calcium channel blocking agent is predicted.

25. (New) A method according to Claim 17 wherein the response of the human subject to ingestion of at least 1302 mg/day calcium is predicted.